

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
ATLANTIC DRAINAGE—continued					
Altamaha:	Feet			Feet	
Charlotte, Ga.	15	(1)	8	21.2	Apr. 26.
Everett City, Ga.	10	(1)	15	12.5	May 2-4.
Ocmulgee:					
Abbeville, Ga.	11	(1)	4	14.9	Apr. 29.
Lumber City, Ga.	15	(1)	4	17.9	Apr. 25.
EAST GULF DRAINAGE					
Apalachicola:					
River Junction, Fla.	18	(1)	3	26.6	Apr. 27.
Blountstown, Fla.	20	(1)	5	24.6	Apr. 28.
Flint:					
Albany, Ga.	20	(1)	2	29.3	Apr. 24.
Bainbridge, Ga.	25	(1)	4	32.7	Apr. 27.
Alabama: Selma, Ala.	35	(1)	(1)	48.0	Apr. 27.
Etowah: Canton, Ga.	11	24	24	15.6	May 24.
Tombigbee: Look 4, Demopolis, Ala.	39	(1)	10	61.2	May 1.
Pearl:					
Jackson, Miss.	20	(1)	8	29.8	Apr. 30.
Columbia, Miss.	18	(1)	3	22.9	Apr. 25.
West Pearl: Pearl River, La.	13	(1)	28	16.0	Apr. 28.
MISSISSIPPI DRAINAGE					
Stony Creek: Johnstown, Pa.	10	(1)	1	13.0	Apr. 30.
Monongahela:					
Lock 7, Greensboro, Pa.	30	1	1	33.3	May 1.
Lock 4, Pa.	31	1	1	32.5	Do.
Youghiogheny: Confluence, Pa.	10	(1)	1	11.0	Apr. 30.
Tippecanoe: Norway, Ind.	6	7	10	6.0	May 7-10
Big Pigeon: Newport, Tenn.	6	8	8	6.8	May 8.
Mississippi:					
Arkansas City, Ark.	48	2	11	49.2	May 6-7.
Vicksburg, Miss.	45	3	18	46.9	May 11.
Natchez, Miss.	46	16	16	46.0	May 16.
Baton Rouge, La.	35	16	16	35.0	Do.
Illinois: Beardstown, Ill.	14	(1)	1	16.0	Apr. 16-18.
St. Francis: St. Francis, Ark.	17	(1)	4	21.2	Apr. 27.
Arkansas: Yancopin, Ark.	29	(1)	18	36.7	May 3-4.
White:					
Georgetown, Ark.	22	(1)	9	28.2	Apr. 28-29.
DeValls Bluff, Ark.	24	(1)	10	27.9	Apr. 30-May 1.
Clarendon, Ark.	30	(1)	8	31.5	May 3.
Black:					
Corning, Ark.	11	(1)	7	13.5	Apr. 24-28.
Black Rock, Ark.	14	(1)	26	11.2	May 26.
			9	24.9	Apr. 22.
			23	14.3	May 23.
Cache: Patterson, Ark.	9	(1)	3	9.6	Apr. 27-29.
Yazoo: Yazoo City, Miss.	25	11	25	26.0	May 21.
Tallahatchie: Swan Lake, Miss.	25	(1)	19	30.6	May 3-4.
Sulphur: Ringo Crossing, Tex.	20	17	19	21.4	May 17.
Cypress: Jefferson, Tex.	18	22	24	19.8	May 22.
Atchafalaya: Melville, La.	37	15	19	37.2	May 15-17.
WEST GULF DRAINAGE					
Trinity: Dallas, Tex.	25	18	18	25.2	May 18.
Rio Grande:					
San Marcial, N. Mex.	3	3	17	4.0	May 5.
		25	25	3.1	May 25.
		28	(1)	3.4	May 31.
Rio Grande, Tex.	21	14	14	23.8	May 14.
San Benito, Tex.	23	15	17	23.7	May 16.
Brownsville, Tex.	18	17	17	18.1	May 17.
PACIFIC DRAINAGE					
Colorado:					
Grand Junction, Colo.	11	29	(1)	11.5	May 31.
Parker, Ariz.	7	5	(1)	10.5	May 18, 19, 31.
Colorado, Roaring Fork: Carbondale, Colo.	5	26	(1)	6.1	May 31.
Eagle: Eagle, Colo.	5	26	(1)	6.0	Do.
Gunnison:					
Sapinero, Colo.	19	29	(1)	20.1	Do.
Delta, Colo.	9	1	14	11.0	May 3.
		23	(1)	11.5	May 31.
Gunnison, North Fork: Paonia, Colo.	9	2	3	9.6	May 2.
		7	12	9.4	May 10.
Green: Elgin, Utah	12	13	17	12.5	May 15.
		28	(1)	13.0	May 31.
Columbia:					
Marcus, Wash.	24	17	(1)	34.2	May 30-31.
Umatilla, Oreg.	25	28	28	25.1	May 28.
The Dalles, Oreg.	40	27	(1)	42.1	May 29.
Vancouver, Wash.	15	12	(1)	25.4	May 31.
Kootenai: Bonners Ferry, Idaho.	26	19	(1)	30.0	May 28.
Pend O'Relle: Newport, Wash.	16	17	(1)	24.0	May 31.
Clearwater: Kamiah, Idaho.	14	8	13	14.9	May 9.
		20	27	15.7	May 26.
Willamette: Portland, Oreg.	15	12	(1)	24.4	May 31.

¹ Continued from last month.
² Continued at end of month.

³ Below flood stage at 8 a. m., May 1.
⁴ Estimated.

MEAN LAKE LEVELS DURING MAY, 1928

BY UNITED STATES LAKE SURVEY

[Detroit, Mich., June 4, 1928]

The following data are reported in the Notice to Mariners of the above date:

Data	Lakes ¹			
	Superior	Michigan and Huron	Erie	Ontario
Mean level during May, 1928:	<i>Feet</i>	<i>Feet</i>	<i>Feet</i>	<i>Feet</i>
Above mean sea level at New York.....	602.16	579.93	572.07	246.61
Above or below—				
Mean stage of April, 1928.....	+0.31	+0.42	+0.29	+0.19
Mean stage of May, 1927.....	+0.28	+0.77	+0.11	+0.66
Average stage for May, last 10 years.....	+0.57	±0.00	-0.17	+0.42
Highest recorded May stage.....	-0.89	-3.59	-2.35	-2.34
Lowest recorded May stage.....	+1.98	+1.77	+0.90	+1.65
Average departure (since 1860) of the May level from the April level.....	+0.31	+0.30	+0.34	+0.34

¹ Lake St. Clair's level: In May, 1928, 574.55 feet.

EFFECT OF WEATHER ON CROPS AND FARMING OPERATIONS, MAY, 1928

By J. B. KINEER

General summary.—The first decade of May had more favorable weather than had previously prevailed and farming operations made better advance. Less rainfall in the Southeast promoted better germination and growth, and in the Atlantic area, the Ohio Valley, and the Lake region the warmer weather was welcome and more activity in farm work and crop growth was noted. During the first part of the second decade cool weather retarded germination and growth in most sections east of the Mississippi River, but soil moisture was mostly sufficient. To the westward favorable conditions for agricultural activity and crop growth were experienced, but during the latter part of the period there was a need of moisture reported from parts of the northern Great Plains and the Northwest. During the last decade warmer weather was needed generally over most areas east of the Mississippi River and some parts needed rain, although there was generally ample soil moisture. Over the western two-thirds of the country conditions were generally very favorable in most central and southern sections where there was a fairly good supply of soil moisture, but in northern sections a good, general rain was needed over a large area from the upper Mississippi Valley and northwestern Lake region westward to the Pacific Ocean.

Small grains.—The weather was fairly favorable during the first decade in the eastern winter-wheat belt with some slight advance of the remaining crop, while with the warmer weather there was also some improvement indicated in the upper Mississippi Valley. In the Great Plains and westward to the foothills of the Rocky Mountains timely rains and moderate temperatures were of material benefit. During the second decade there was further generous rain in the Southwest and western portions of the belt and soil moisture was generally ample over most western parts. In the eastern portion there was little change noted. During the last decade the weather continued generally favorable over the western portion and some improvement was noted in